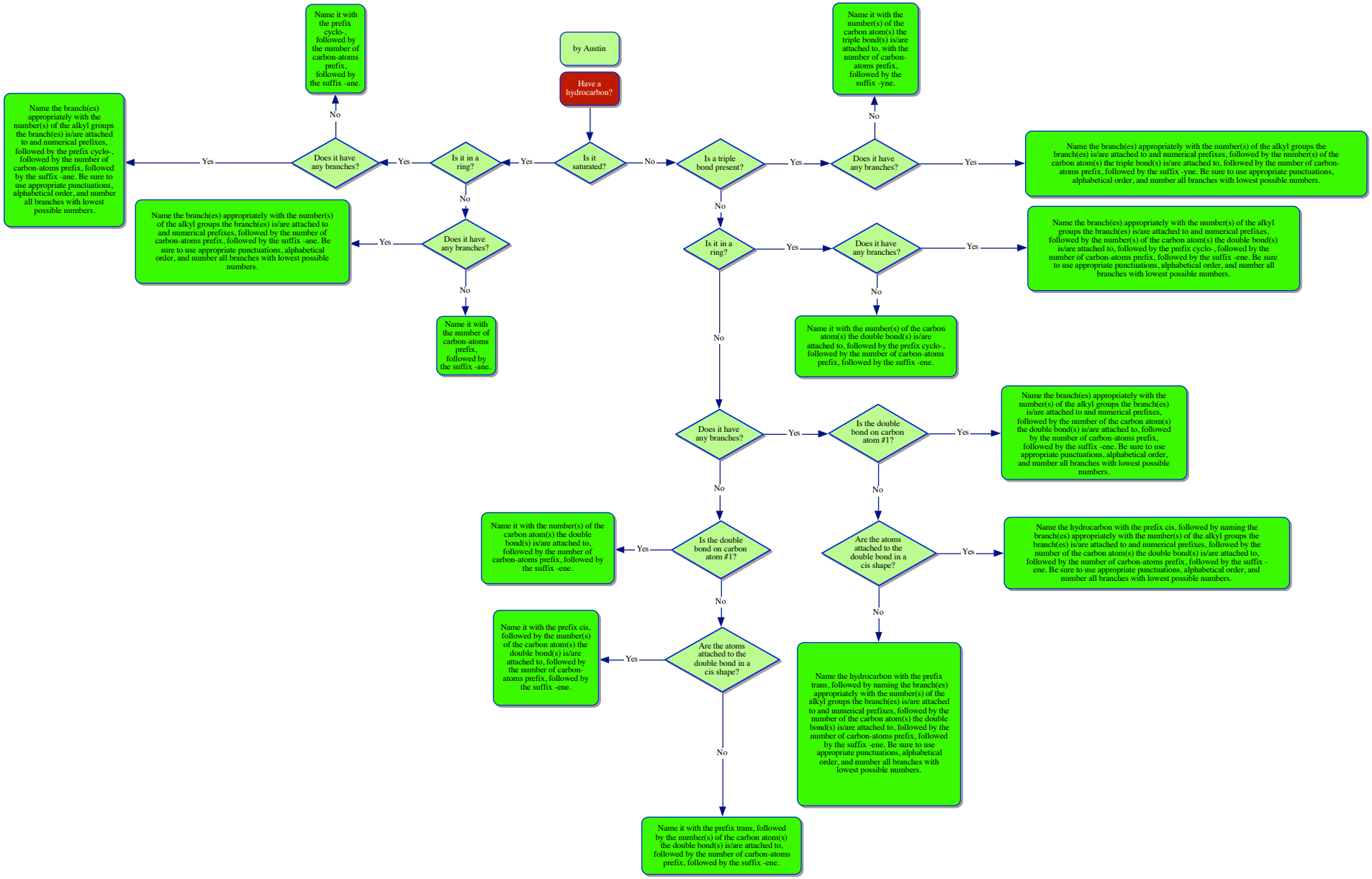
by Austin
Have a hydrocarbon?
Is it saturated?
Yes
No
Is a triple bond present?
Yes
No
Does it have any branches?
Yes
No
Name the branch(es) appropriately with the number(s) of the alkyl groups the branch(es) is/are attached to and numerical prefixes, followed by the number(s) of the carbon atom(s) the triple bond(s) is/are attached to, followed by the number of carbon-atoms prefix, followed by the suffix -yne. Be sure to use appropriate punctuations, alphabetical order, and number all branches with lowest possible numbers.
Name it with the number(s) of the carbon atom(s) the triple bond(s) is/are attached to, with the number of carbon-atoms prefix, followed by the suffix -yne.
Is it in a ring?
Yes
No
Does it have any branches?
Yes
No
Name the branch(es) appropriately with the number(s) of the alkyl groups the branch(es) is/are attached to and numerical prefixes, followed by the number of carbon-atoms prefix, followed by the suffix -ane. Be sure to use appropriate punctuations, alphabetical order, and number all branches with lowest possible numbers.
Name it with the prefix cyclo-, followed by the number of carbon-atoms prefix, followed by the suffix -ane.
Name the branch(es) appropriately with the number(s) of the alkyl groups the branch(es) is/are attached to and numerical prefixes, followed by the number of carbon-atoms prefix, followed by the suffix -ane. Be sure to use appropriate punctuations, alphabetical order, and number all branches with lowest possible numbers.
Name it with the number of carbon-atoms prefix, followed by the suffix -ane.
Is it in a ring?
Yes
No
Does it have any branches?
Yes
No
Name the branch(es) appropriately with the number(s) of the alkyl groups the branch(es) is/are attached to and numerical prefixes, followed by the number(s) of the carbon atom(s) the double bond(s) is/are attached to, followed by the prefix cyclo-, followed by the number of carbon-atoms prefix, followed by the suffix -ene. Be sure to use appropriate punctuations, alphabetical order, and number all branches with lowest possible numbers.
Name it with the number(s) of the carbon atom(s) the double bond(s) is/are attached to, followed by the prefix cyclo-, followed by the number of carbon-atoms prefix, followed by the suffix -ene.
Does it have any branches?
Yes
No
Is the double bond on carbon atom #1?
Yes
No
Name the branch(es) appropriately with the number(s) of the alkyl groups the branch(es) is/are attached to and numerical prefixes, followed by the number of the carbon atom(s) the double bond(s) is/are attached to, followed by the number of carbon-atoms prefix, followed by the suffix -ene. Be sure to use appropriate punctuations, alphabetical order, and number all branches with lowest possible numbers.
Name it with the number(s) of the carbon atom(s) the double bond(s) is/are attached to, followed by the number of carbon-atoms prefix, followed by the suffix -ene.
Is the double bond on carbon atom #1?
Yes
No
Are the atoms attached to the double bond in a cis shape?
Yes
No
Name the hydrocarbon with the prefix cis, followed by naming the branch(es) appropriately with the number(s) of the alkyl groups the branch(es) is/are attached to and numerical prefixes, followed by the number of the carbon atom(s) the double bond(s) is/are attached to, followed by the number of carbon-atoms prefix, followed by the suffix -ene. Be sure to use appropriate punctuations, alphabetical order, and number all branches with lowest possible numbers.
Name the hydrocarbon with the prefix trans, followed by naming the branch(es) appropriately with the number(s) of the alkyl groups the branch(es) is/are attached to and numerical prefixes, followed by the number of the carbon atom(s) the double bond(s) is/are attached to, followed by the number of carbon-atoms prefix, followed by the suffix -ene. Be sure to use appropriate punctuations, alphabetical order, and number all branches with lowest possible numbers.
Are the atoms attached to the double bond in a cis shape?
Yes
No
Name it with the prefix cis, followed by the number(s) of the carbon atom(s) the double bond(s) is/are attached to, followed by the number of carbon-atoms prefix, followed by the suffix -ene.
Name it with the prefix trans, followed by the number(s) of the carbon atom(s) the double bond(s) is/are attached to, followed by the number of carbon-atoms prefix, followed by the suffix -ene.